IT-systems and Human Factors: A course about the complex relationship between humans and technology

Truck-drivers
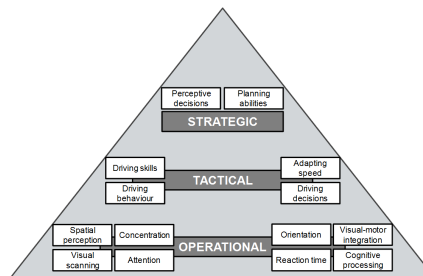
Pilots

AIRBUS AN EADS COMPANY — BOEING

Today

STRATEGIC
- Perceptive decisions
- Planning abilities

TACTICAL
- Driving skills
- Driving behaviour
- Adapting speed
- Driving decisions

OPERATIONAL
- Spatial perception
- Visual scanning
- Concentration
- Attention
- Orientation
- Reaction time
- Visual-motor integration
- Cognitive processing

Future

Strategic Control

Monitoring Supervision

STRATEGIC
- Perceptive decisions
- Planning abilities

Autonomous Control
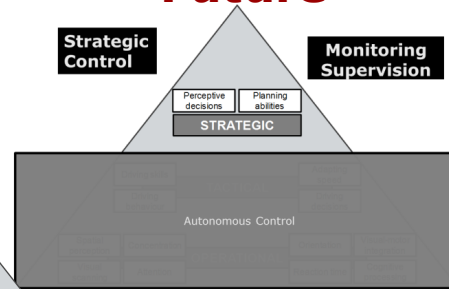
Today

2 h 11 min 43

The thrust levers are moved from TOGA to MCT. The N1 are stable at around 102 %.

Sound of cockpit door opening
Er what are you (doing)?
What's happening? I don't know I don't know what's happening

Informationsteknologi

UPPSALA UNIVERSITET

IT-systems and Human Factors,
1MD017 – 5 Cr., Period 2

Human Factors – You will divide a book between you and your group mates, make your own individual summary and review of a part of the book, and then critically examine other students' reviews. This part is examined through one compulsory seminar and a short report from your part of the literature study. Group assignment with an individual part.

Human Decision Making – You will learn about models of human decision making and conduct an experiment on risk judgment. This part is examined through a laboration report with results from your experiment. Group assignment

Accident and Incident Investigations – You will write your own accident investigation as a group assignment. The examination consists in writing an accident investigation report based on a real case and participate in teo compulsory seminars.

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Human Decision Making in …….

….Train Traffic Control

…Intensive Care

….Nuclear Power Plant